FIG. 1

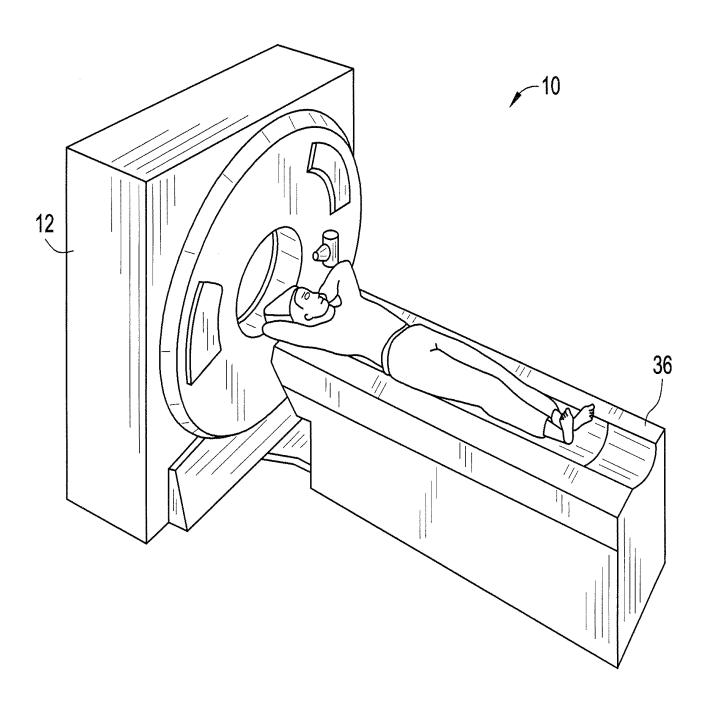
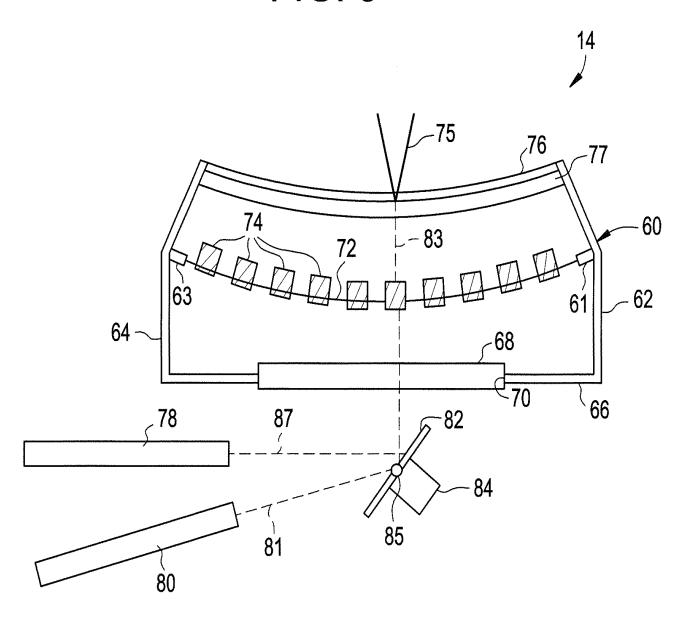


FIG. 3



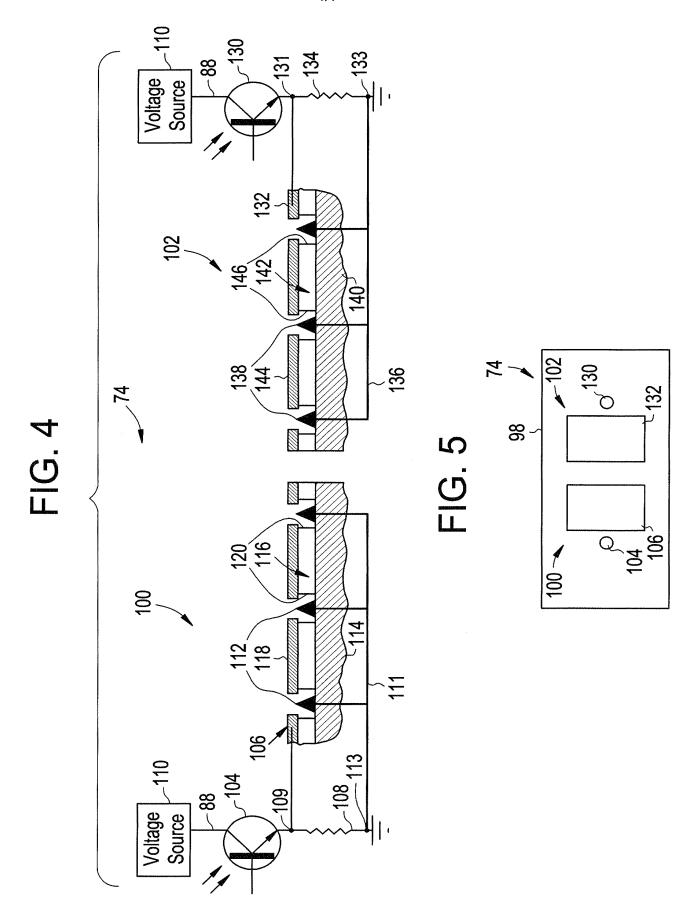


FIG. 6

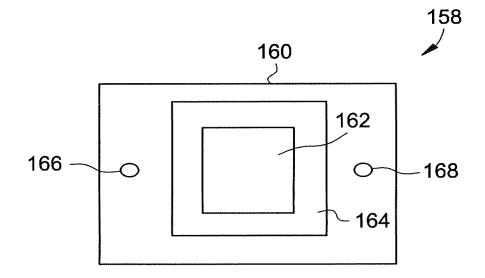


FIG. 7

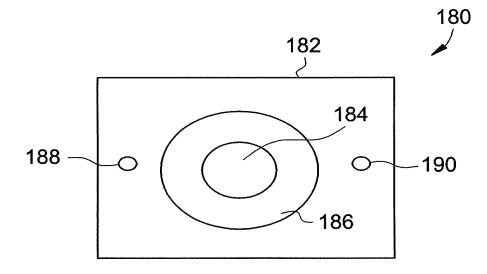
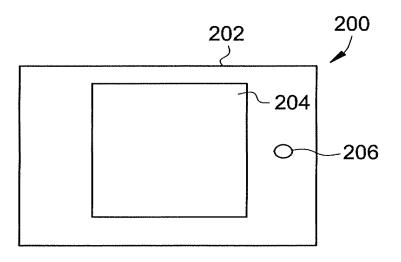


FIG. 8



## FIG. 9



X-ray controller rotates a mirror to a first predetermined position in order to reflect light toward an electron emitter assembly, the electron emitter assembly having a first electron emitter subassembly and a second electron emitter subassembly

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X-ray controller induces the first laser to emit light having a first wavelength, the light being reflected off of the mirror toward a first photo-responsive device of the first electron emitter subassembly

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First photo-responsive device receives the light having the first wavelength and induces the first electron emitter subassembly to emit electrons towards an anode

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Anode receives the emitted electrons from the first electron emitter subassembly and emits x-rays toward a target object

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X-ray detector device opposite the electron emitter assembly receives the x-rays that have been attenuated by the target object and transmits electrical signals indicative of the attenuated x-rays to an image reconstructor device that generates a first digital image of the target object

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X-ray controller simultaneously induces the first laser and a second laser to emit light having first and second wavelengths, respectively, the light having the first wavelength being reflected off of the mirror towards the first photo-responsive device, the light having the second wavelength being reflected off of the mirror towards a second photo-responsive device of the second electron emitter subassembly

First photo-responsive device receives the light having the first wavelength and induces the first electron emitter subassembly to emit electrons toward the anode

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Second photo-responsive device receives the light having the second wavelength and induces the second electron emitter subassembly to emit electrons towards the anode



## FIG. 10

Anode receives the emitted electrons from the first and second electron emitter subassemblies and emits x-rays toward the target object

X-ray detector device opposite the electron emitter assembly receives x-rays that have been attenuated by the target object and transmits electrical signals indicative of the attenuated x-rays to the image reconstructor device that generates a second digital image of the target object

End